

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hidenobu SENPUKU, et al.

SERIAL NO: 10/658,544

GAU: 1641

FILED: September 10, 2003

EXAMINER: GRUN

FOR: METHOD FOR EXAMINING CARIES RISK

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- The applicant(s) wish to make of record the reference(s) listed on the attached form PTO-1449. Copies of the listed reference(s) are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language reference(s).
- Online credit card payment is being made in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- Online credit card payment is being made in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

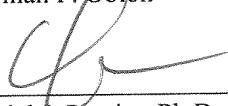
- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

  
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 242617US0	SERIAL NO. 10/658,544		
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Hidenobu SENPUKU, et al.					
		FILING DATE September 10, 2003		GROUP 1641			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	2003/113823	06/19/03	Gregory			
	AB						
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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
	AO	2-177898	07/10/90	Japan w/English Abstract	YES	NO	
	AP	10-036400	02/10/98	Japan w/English Abstract			
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW	Kaneko N. et. al., "Relation between an anti-PAc(361-386) antibody value in the blood plasma and DMFT in 80 years-old persons", J. DENT. HLTH., Vol. 52, 2002, pp. 450-451					
	AX	Gregory R. L. et al., "Salivary Immunoglobulin a and Serum Antibodies to Streptococcus Mutants Ribosomal Preparations in Dental Caries-Free and Caries-Susceptible Human Subjects", INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, U.S. Vol. 51, No. 1, January 1986, pp. 348-351					
	AY	Ingegerd ZICKERT, et al., "Effect of Caries Preventive Measures in Children Highly Infected with the Bacterium Streptococcus Mutans" Archs oral Biol., Vol. 27(10), pp. 861-868, (1982)					
	AZ	Jerry R. McGhee, et al. "Induction of Secretory Antibodies in Humans Following Ingestion of Streptococcus Mutans", Department of Microbiology and Institute of Dental Research, pp. 177-184				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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LIST OF REFERENCES CITED BY APPLICANT		APPLICANT					
		Hidenobu SENPUKU, et al.		FILING DATE		GROUP	
		September 10, 2003				1641	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
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<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
AW	B. KRASSE, et al., "Antibodies Reacting with Streptococcus Mutans in Secretions from Minor Salivary Glands in Humans", Department of Cariology, Faculty of Odontology, University of Goeteborg, pp. 349-354						
AX	Ichiro TAKAHASHI, et al. "Immunogenicity and Protective Effect Against Oral Colonization by Streptococcus mutans of Synthetic Peptides of a Streptococcal surface Protein Antigen", The Journal of Immunology, Vol. 146, pp. 332-336, No. 1 (January 1, 1991)						
AY	Ichiro TAKAHASHI, et al., "Genetic Control of Immune Responses in Mice to Synthetic Peptides of a Streptococcus mutans surface Protein Antigen", Infection and Immunity, Vol. 60, No. 2, Feb. 1992, pp. 623-629						
AZ	N. Okahashi, et al., "Cloning of a Surface Protein Antigen Gene from Serotype c Streptococcus mutans", Molecular Microbiology (1989) 3(2), pp. 221-228				<input type="checkbox"/> Additional References sheet(s) attached		
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	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	Hidenobu SENPUKI, et al., "An Antigenic Peptide Inducing Cross-Reacting Antibodies Inhibiting the Interaction of Streptococcus mutans PAc with Human Salivary Components", Infection and Immunity, Vol. 63, No. 12, Dec. 1995, pp. 4695-4703					
	AX	H. Senpuku, et al., "Identification of Streptococcus mutans PAc Peptide Motif Binding with Human MHC Class II Molecules (DRB1*0802, *1101, *1401 and *1405), Immunologym (1998), 95:322-330.					
	AY	H. Senpuku, et al., "Inhibitory Effects of MoAbs against a Surface Protein Antigen in Real-Time Adherence In vitro and Recolonization In vivo of Streptococcus mutans", Scand. J. Immunol., 54, pp. 109-116, (2001).					
	AZ	Textbook of Clinical Cariology, Munksgaard Textbook Edited by Anders Thylstrup Ole Fejerskov, page 405			<input type="checkbox"/> Additional References sheet(s) attached		
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